PC-0053 CIP

<110> Stuart, Susan G.
      Streeter, David G.

<120> BREAST CANCER MARKER

<130> PC-0053 CIP

<140> To Be Assigned
<141> Herewith

<150> 09/232,160
<151> 1999-01-15

<160> 5
<170> PERL Program

<210> 1
<211> 322
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3044710CD1

<400> 1

```
Met Ala Arg Cys Phe Ser Leu Val Leu Leu Leu Thr Ser Ile Trp
1               5                   10                  15
Thr Thr Arg Leu Leu Val Gln Gly Ser Leu Arg Ala Glu Glu Leu
                20                  25                  30
Ser Ile Gln Val Ser Cys Arg Ile Met Gly Ile Thr Leu Val Ser
                35                  40                  45
Lys Lys Ala Asn Gln Gln Leu Asn Phe Thr Glu Ala Lys Glu Ala
                50                  55                  60
Cys Arg Leu Leu Gly Leu Ser Leu Ala Gly Lys Asp Gln Val Glu
                65                  70                  75
Thr Ala Leu Lys Ala Ser Phe Glu Thr Cys Ser Tyr Gly Trp Val
                80                  85                  90
Gly Asp Gly Phe Val Val Ile Ser Arg Ile Ser Pro Asn Pro Lys
                95                  100                 105
Cys Gly Lys Asn Gly Val Gly Val Leu Ile Trp Lys Val Pro Val
                110                 115                 120
Ser Arg Gln Phe Ala Ala Tyr Cys Tyr Asn Ser Ser Asp Thr Trp
                125                 130                 135
Thr Asn Ser Cys Ile Pro Glu Ile Ile Thr Thr Lys Asp Pro Ile
                140                 145                 150
Phe Asn Thr Gln Thr Ala Thr Gln Thr Thr Glu Phe Ile Val Ser
                155                 160                 165
Asp Ser Thr Tyr Ser Val Ala Ser Pro Tyr Ser Thr Ile Pro Ala
                170                 175                 180
Pro Thr Thr Thr Pro Pro Ala Pro Ala Ser Thr Ser Ile Pro Arg
                185                 190                 195
Arg Lys Lys Leu Ile Cys Val Thr Glu Val Phe Met Glu Thr Ser
                200                 205                 210
Thr Met Ser Thr Glu Thr Glu Pro Phe Val Glu Asn Lys Ala Ala
                215                 220                 225
Phe Lys Asn Glu Ala Ala Gly Phe Gly Gly Val Pro Thr Ala Leu
                230                 235                 240
Leu Val Leu Ala Leu Leu Phe Phe Gly Ala Ala Ala Gly Leu Gly
```

```
                  245                    250                    255
Phe Cys Tyr Val Lys Arg Tyr Val Lys Ala Phe Pro Phe Thr Asn
                  260                    265                    270
Lys Asn Gln Gln Lys Glu Met Ile Glu Thr Lys Val Val Lys Glu
                  275                    280                    285
Glu Lys Ala Asn Asp Ser Asn Pro Asn Glu Glu Ser Lys Lys Thr
                  290                    295                    300
Asp Lys Asn Pro Glu Glu Ser Lys Ser Pro Ser Lys Thr Thr Val
                  305                    310                    315
Arg Cys Leu Glu Ala Glu Val
                  320
```

```
<210> 2
<211> 2029
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3044710CB1

<400> 2
ccttgacaag tcagaagctt gaaagcaggg aaatccggat gtctcggtta tgaagtggag 60
cagtgagtgt gagcctcaac atagttccag aactctccat ccggactagt tattgagcat 120
ctgcctctca tatcaccagt ggccatctga ggtgtttccc tggctctgaa ggggtaggca 180
cgatggccag gtgcttcagc ctggtgttgc ttctcacttc catctggacc acgaggctcc 240
tggtccaagg ctctttgcgt gcagaagagc tttccatcca ggtgtcatgc agaattatgg 300
ggatcaccct tgtgagcaaa aaggcgaacc agcagctgaa tttcacagaa gctaaggagg 360
cctgtaggct gctgggacta agtttggccg gcaaggacca agttgaaaca gccttgaaag 420
ctagctttga aacttgcagc tatggctggg ttggagatgg attcgtggtc atctctagga 480
ttagcccaaa ccccaagtgt gggaaaaatg gggtgggtgt cctgatttgg aaggttccag 540
tgagccgaca gtttgcagcc tattgttaca actcatctga tacttggact aactcgtgca 600
ttccagaaat tatcaccacc aaagatccca tattcaacac tcaaactgca acacaaacaa 660
cagaatttat tgtcagtgac agtacctact cggtggcatc cccttactct acaatacctg 720
cccctactac tactcctcct gctccagctt ccacttctat tccacggaga aaaaaattga 780
tttgtgtcac agaagttttt atggaaacta gcaccatgtc tacagaaact gaaccatttg 840
ttgaaaataa agcagcattc aagaatgaag ctgctgggtt tggaggtgtc cccacggctc 900
tgctagtgct tgctctcctc ttctttggtg ctgcagctgg tcttggattt tgctatgtca 960
aaaggtatgt gaaggccttc ccttttacaa acaagaatca gcagaaggaa atgatcgaaa 1020
ccaaagtagt aaaggaggag aaggccaatg atagcaaccc taatgaggaa tcaaagaaaa 1080
ctgataaaaa cccagaagag tccaagagtc caagcaaaac taccgtgcga tgcctggaag 1140
ctgaagtttta gatgagacag aaatgaggag acacacctga ggctggtttc tttcatgctc 1200
cttaccctgc cccagctggg gaaatcaaaa gggccaaaga accaaagaag aaagtccacc 1260
cttggttcct aactggaatc agctcaggac tgccattgga ctatggagtg caccaaagag 1320
aatgcccttc tccttattgt aaccctgtct ggatcctatc ctcctacctc aaagcttcc 1380
cacggccttt ctagcctggc tatgtcctaa taatatccca ctgggagaaa ggagttttgc 1440
aaagtgcaag gacctaaaac atctcatcag tatccagtgg taaaaaggcc tcctggctgt 1500
ctgaggctag gtgggttgaa agccaaggag tcactgagac caaggctttc tctactgatt 1560
ccgcagctca gacccttTct tcagctctga aagagaaaca cgtatcccac ctgacatgtc 1620
cttctgagcc cggtaagagc aaaagaatgg cagaaaagtt tagcccctga agccatgga 1680
gattctcata acttgagacc taatctctgt aaagctaaaa taaagaaata gaacaaggct 1740
gaggatacga cagtacactg tcagcaggga ctgtaaacac agacagggtc aaagtgtttt 1800
ctctgaacac attgagttgg aatcactgtt tagaacacac acacttactt tttctggtct 1860
ctaccactgc tgatattttc tctaggaaat atacttttac aagtaacaaa aataaaaact 1920
cttataaatt tctattttta tctgagttac agaaatgatt actaaggaag attactcagt 1980
aatttgttta aaaagtaata aaattcaaca aacatttaaa aaaaaaaa 2029

<210> 3
<211> 559
```

<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 702127782H1

<400> 3
ctcgagtgat aggctgcttt ccagaaatca ctaccacatt caacactcaa acccctgcag 60
cagagttttc tgtcagcagc gacacctact cggcttcatc ctcagactcc acaacgtctg 120
tgtctgccac cacccgggct ccacctttga ccaccatggc acggaagaca aaaatgattt 180
gtatcacgga agtttacaca gaacctatca ccatggatgc agaaacagaa gcatctgttg 240
aaagtggagc agcattcaag aatgaagcag ctgggtttgg aggtgtcccc acaaccctgc 300
tggtgctggc tctcttcttc tttggtgctg cagctgtgct gggtgtttgc tacgtgaaaa 360
ggtatgtgaa ggccttccct ttcacaaaca agaatcaaca gaaggaaatg atcgaaacca 420
aggttgtaaa ggaagagaaa gctgatgatg tcaatgctaa tgaagaatca aagaaaatgg 480
ttaaaaactc agaggagccc aagagtccac ccaaaactac agtgcggtgc ctagaggctg 540
aagtttaggt gcacgagag 559

<210> 4
<211> 279
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701647942H1

<400> 4
ggaggtgtcc ccacaaccct gctggtgctg gctctcttct ctttggtgc tgcagctgtg 60
ctgggtgttt gctacgtgaa aaggtatgtg aaggccttcc ctttcacaaa caagaatcaa 120
cagaaggaaa tgatcgaaac caaggttgta aaggaagaga aagctgatga tgtcaatgct 180
aatgaagaat caaagaaaac ggttaaaaac tcagaggagc ccaagagtcc acccaaaact 240
acagtgcggt gcctagaggc tgaagtttag gtgcacgag 279

<210> 5
<211> 820
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<223> Incyte ID No: 704113673J1

<400> 5
gttaccaacg accatatgct ggcaacatcg tggcctcatt cttttctct acttacttag 60
cctttacaaa gagatcaggt ctcaagtcat gagaatctct gtggccttca gtgctgaact 120
tttccttcct tctttgttct tgcctggctc agaagggcat gccagatgat gtgtgttacc 180
ttttcagaat gaagaaagga tctggcctgt ggaatcaata gagaaagcct tagtctcagt 240
ggtttcttgg ttctcaactc agctatgctc agccaactga gaagcctctt tataaatgtg 300
ttctgattag ttgttttagg tccttgtgct tgtgaagctc ctttatccca cagagatatt 360
attaggacat agtcaggcta gaaagctgtg ggaagcttgg aggtaggagg ataggatcca 420
gaaagaatta cagaagaagt tcaccatttg gtgaactcca tagtccaaag gtagtcctga 480
gttgattcca tttaagaacc aagggtggac tttcttgttt ggttcttgtc ctttaagttt 540
ccccatctgg ggccaggata tgtgtcagga aagaaatcag cctcagatgt gtcttcccat 600
ttctttctgt tttaaacttc agcttccatg catcgcactg tggtttggtt ggactcttgg 660
gctcttctgg ctttttatca gtttttcttga ttcttcatta gggttgctat catcggcttt 720
ctcttccttt actacttggt ttcaatcatt tccttctgct gattctgttg tcacaaggca 780
aggtcttcac atacctttga cgtagcaaac cgcaaacagc 820

3